

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/EP2004/051104

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12P1/00 C12P1/02 C12P1/04 C12P7/02 C12P7/22
C12P7/24 C12P13/00 C12P19/18 A23L1/23 A23L1/23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12P A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, CHEM ABS Data, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	<p>QUIROS L M ET AL: "TWO GLYCOSYLTRANSFERASES AND A GLYCOSIDASE ARE INVOLVED IN OLEANDOMYCIN MODIFICATION DURING ITS BIOSYNTHESIS BY STREPTOMYCES ANTIBIOTICUS" MOLECULAR MICROBIOLOGY, BLACKWELL SCIENTIFIC, OXFORD, GB, vol. 28, no. 6, June 1998 (1998-06), pages 1177-1185, XP000858900 ISSN: 0950-382X page 1181, right-hand column, paragraph 3 - page 1182, left-hand column, paragraph 1; figures 1,7</p> <p>----- -/--</p>	1-19

☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

5 November 2004

Date of mailing of the international search report

24/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	WO 03/048375 A (AGUIRREZABALAGA IGNACIO; RODRIQUEZ LETICIA (ES); ALLENDE NEREA (ES) 12 June 2003 (2003-06-12) abstract; claims 1,11-14; figure 7; examples 1-7; table 3 page 17, line 3 - line 17 -----	1-19
Y	WO 01/79520 A (LEADLAY PETER FRANCIS ; GAISSER SABINE (GB); STAUNTON JAMES (GB); BIOT) 25 October 2001 (2001-10-25) claims 1,10,19,25-29,33 -----	1-19
Y	RATY K ET AL: "A gene cluster from Streptomyces galilaeus involved in glycosylation of aclarubicin" MOLECULAR AND GENERAL GENETICS, vol. 264, no. 1-2, September 2000 (2000-09), pages 164-172, XP002304279 ISSN: 0026-8925 abstract -----	1-19
Y	SANCHEZ CESAR ET AL: "The biosynthetic gene cluster for the antitumor rebeccamycin: Characterization and generation of indolocarbazole derivatives" CHEMISTRY AND BIOLOGY (LONDON), vol. 9, no. 4, April 2002 (2002-04), pages 519-531, XP002304280 ISSN: 1074-5521 abstract; figures 1,3,4 -----	1-19
Y	ARANA, FRANCISCA E.: "Action of a beta-glucosidase in the curing of Vanilla" FOOD RESEARCH, ISSN: 0095-974X, vol. 8, 1943, pages 343-351, XP009024054 page 347, paragraph 3 - page 348, paragraph 1 page 348, paragraph 3; table 2 page 350, paragraph 4 abstract -----	1-19
Y	ZHENG, ZUOXING ET AL: "Solid-State Bioconversion of Phenolics from Cranberry Pomace and Role of Lentinus edodes.beta.-Glucosidase" JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 48, no. 3, March 2000 (2000-03), pages 895-900, XP002267398 abstract; figure 6; table 2 page 898, column 2, paragraph 2 - page 899, column 1, paragraph 4 ----- -/--	1-19

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	<p>DAY A J ET AL: "Deglycosylation of flavonoid and isoflavonoid glycosides by human small intestine and liver beta-glucosidase activity"</p> <p>FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL,</p> <p>vol. 436, no. 1,</p> <p>25 September 1998 (1998-09-25), pages 71-75, XP004258361</p> <p>ISSN: 0014-5793</p> <p>abstract; figure 1; table 1</p> <p>page 74, column 1, paragraph 4.</p>	1-19
Y	<p>CICEK, MUZAFFER ET AL: "The aglycone specificity-determining sites are different in 2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one (DIMBOA)-glucosidase (maize.beta.-glucosidase) and dhurrinase (sorghum.beta.-glucosidase)"</p> <p>JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 275, no. 26,</p> <p>30 June 2000 (2000-06-30), pages 20002-20011, XP002267399</p> <p>abstract; figure 1</p> <p>page 20002, column 2, paragraph 2 - page 20003, column 1, paragraph 1</p>	1-19
Y	<p>BAK S ET AL: "TRANSGENIC TOBACCO AND ARABIDOPSIS PLANTS EXPRESSING THE TWO MULTIFUNCTIONAL SORGHUM CYTOCHROME P450 ENZYMES, CYP79A1 AND CYP71E1, ARE CYANOGENIC AND ACCUMULATE METABOLITES DERIVED FROM INTERMEDIATES IN DHURRIN BIOSYNTHESIS"</p> <p>PLANT PHYSIOLOGY, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US,</p> <p>vol. 123, August 2000 (2000-08), pages 1437-1448, XP001006399</p> <p>ISSN: 0032-0889</p> <p>cited in the application</p> <p>abstract; figure 1</p> <p>page 1440, column 1, paragraph 3 - column 2, paragraph 2</p> <p>page 1444, column 1, paragraph 3</p> <p>page 1445, column 2, paragraph 2</p> <p>page 1446, column 2, paragraph 4 - page 1447, column 1, paragraph 3</p>	1-19

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Y	WO 01/40491 A (HOEJ PETER ;LUMINIS PTY LTD (AU); MOELLER BIRGER LINDBERG (DK); RO) 7 June 2001 (2001-06-07) cited in the application abstract; claims 2,12-14 page 2, line 19 page 7, line 8 - line 16 page 7, line 20 - line 32 -----	1-19
P,X	WO 03/066836 A (DU PONT) 14 August 2003 (2003-08-14) page 3, line 36 - page 4, line 14; claims 12,13 -----	1-19

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Information on patent family members

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Application No

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